



Insights of a Number of Ongoing Research on Elites in Latin America

Topics, Methods and Possibilities for Comparison

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Congress of the Latin American Studies Association
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Open Data on Chilean Cabinets

Data on Chilean Ministers (1990-2014)

Codebook v 3.3.6

Data Set on Chilean Ministers (1990-2014)

<https://doi.org/10.5281/zendos/5744536>

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This data set contains information in  Comma-Separated Values (CSV) format with Unicode encoding (UTF-8) (**N = 232**).

The data collection was carried out based on official sources such as archives of Congress and ministries, the National Library, and press archives.

Further Details

González-Bustamante and
Olivares (2022a)

Data on Chilean Undersecretaries (1990-2022)

This data set contains information in  Comma-Separated Values (CSV) format with Unicode encoding (UTF-8) (**N = 425**).

The data collection was carried out based on official sources such as archives of Congress and ministries, the National Library, and press archives.

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González-Bustamante and Olivares (2022b)

Codebook v 2.1.3

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Preservation and Data Sharing

Both data sets are stored with version control on  GitHub repositories with controlled access with  Two-Factor Authentication (2FA) with cryptographic authentication FIDO2 and U2F.

Repositories are backed up on  Hierarchical File Server (HFS) for recovery in case of incidents. Backup is located on the  University of Oxford hub connected to Code42 Cloud Backup encrypted with 256-bit AES. Zenodo provides DOI.

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Data Collection on Boards of Directors

Data Collection on Boards of Directors (2001-2022)

We used data from the **Financial Market Commission**, which supervised more than 70% of financial assets in Chile, to identify board members and CEOs of a number of companies.

We have elaborated a list of **board members** and **CEOs** for **463 and 451 companies**, respectively.

Currently, we are collecting data from the **board members** list. Our progress is **21%**, which implies **4,280 individual observations**.

Work in Progress

This work in progress, coauthored with C Cisternas, is at an early stage. Our thanks to our research assistants V Liberona and M Carrillo.

Stochastic Actor-Oriented Models

Our empirical strategy will be similar to [González-Bustamante and Cisternas \(2022\)](#) based on SAO models developed by [Snijders \(2001; see also Snijders et al., 2010\)](#).

This approach is part of the family of models for **dynamic networks that show changes in the networks**, between two discrete points of time, by examining the evolution of ties between the actors ([Kalish, 2019; Pink et al., 2020](#)).

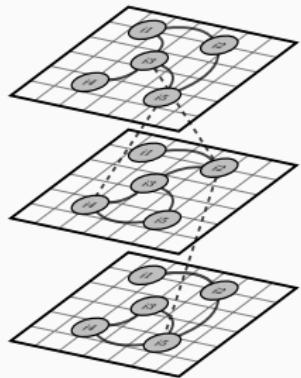
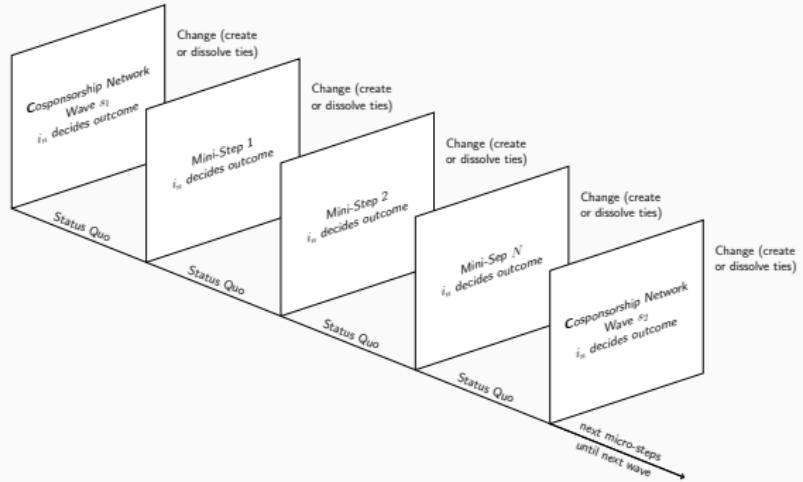
To implement the SAO analysis, we hope to employ Simulation Investigation for Empirical Network Analysis (**SIENA**; see [Snijders, 2001; Snijders and Pickup, 2017](#)).

Stochastic Actor-Oriented Models

The SAO analysis implies evaluating the evolution and formation of ties. Following Pink et al. (2020), between s_j and s_{j+1} there are three potential outcomes regarding the existing relation: (i) the creation of new ties; (ii) maintenance of the status quo; and (iii) dissolution of existing ties.

This decision occurs among what this approach calls **mini-steps calculated with simulations**, which consider potential decisions that an actor might make based on previous outcomes and the potential status of the social network that could be induced by possible actions by the individuals (Snijders, 2001; Snijders et al., 2010, see also Pink et al., 2020).

Example of Choice Modelling Networks Scheme



Source: [González-Bustamante and Cisternas \(2022\)](#).

NLP for Data Collection on Resignation Calls

NLP for Data Collection

This is a work in progress that presents a new data set created using **Natural Language Processing (NLP)** and **machine learning techniques**.

The data set contains detailed information on the cabinet turnover in 12 Latin American democracies from the time of redemocratisation between the 1970s and 1980s, depending on the case, up until the end of the latest presidential terms.

We used a number of sources of public information and press reports that were digitised with data mining algorithms. Using machine learning models, we were able to identify **ministerial resignation calls** (empirically efficient indicators of random shocks; see [Berlinski et al., 2010](#)).

This data is **completely novel for Latin American presidentialisms**.

Further Details

[González-Bustamante \(2022\)](#)

Detail of the Batches of the LAWR Archives

Batch	Archives	Years	Format	Volume
Batch-01	LAWR-1975 to LAWR-1979 Including 1997	5	CSV UTF-8	9.56 MB
Batch-02	LAWR-1980 to LAWR-1998 Excluding 1997 Including the first half of 2003	18.5	PNG images	38.5 GB
Batch-03	LAWR-1999 to LAWR-2021 Excluding the first half of 2003	22.5	PDF files	341 MB

Note: Revision of 12 Latin American countries thanks to St Hilda's College Muriel Wise Fund and subscriptions of the Bodleian Libraries at the University of Oxford.

Binarisation Algorithms

Note: Images correspond to a LAWR page before binarisation and after the application of techniques of Sauvola and Pietikäinen (2000) and Su et al. (2010).

Tesseract OCR Algorithm



Year and Week

Headline

Paragraphs

How Domingo Cavallo rose to become Menem's virtual prime minister

Argentina are still fully debating what lay behind the sudden reorganization of the economic team. Ernesto Gómezvalle and his replacement, Domingo Cavallo, have been cast as the chief culprits. The simple explanation — the two men were plotting to oust one another — is dismissed as sufficient by most analysts. The more widespread suspicion is that Gómezvalle was ousted because he had lost the support of President Menem's Vice-President brother, as well as the support of the Bank of Argentina's Vice-President brother.

One thing seems certain: that Gómezvalle's fall from grace was triggered by his recognition of Menem — and an attempt to oust him. In the last few days, he has twice threatened Cavallo with legal action. Indeed, a widely accepted version is that Gómezvalle's fall was triggered by his recognition of Menem's Vice-President brother, Domingo Cavallo, as his economic vice. The Vice-President brother, who had been instrumental in the 'structural adjustment' which he expected would bring him into power, had many constitutional successes. His many procedural woe

had forced him to resign.

■

INDOOR

PFTU: Workers spread of strike. [\[Read more\]](#)

✓ ECUADOR: Holiday measures impact on firms. [\[Read more\]](#)

COLOMBIA: Protests of MSL. [\[Read more\]](#) and [\[Read more\]](#)

VENEZUELA: Lower prices for oil. [\[Read more\]](#)

BOLIVIA: A Soviet partner for state-owned oil company. [\[Read more\]](#)

PERU: Holiday measures impact on firms. [\[Read more\]](#)

PEPPER: Wrote out for the 'Gold effect'. [\[Read more\]](#)

■

OUTDOOR

EL SALVADOR: Strike by teachers. [\[Read more\]](#)

CHILE: Proposal to extend Ayacucho's mining zone. [\[Read more\]](#)

COSTA RICA: Planning & construction. [\[Read more\]](#)

PERU: Holiday measures impact on firms. [\[Read more\]](#)

COLOMBIA: Protests of MSL. [\[Read more\]](#)

RESCSA: Wrote out for the 'Gold effect'. [\[Read more\]](#)

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FINANCIAL

BRASIL: New funds for pension system. [\[Read more\]](#)

BOLIVIA: A Soviet partner for state-owned oil company. [\[Read more\]](#)

PARAGUAY: Placing bonds. [\[Read more\]](#)

COLOMBIA: Protests of MSL. [\[Read more\]](#)

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How Domingo Cavallo rose to become Menem's virtual prime minister

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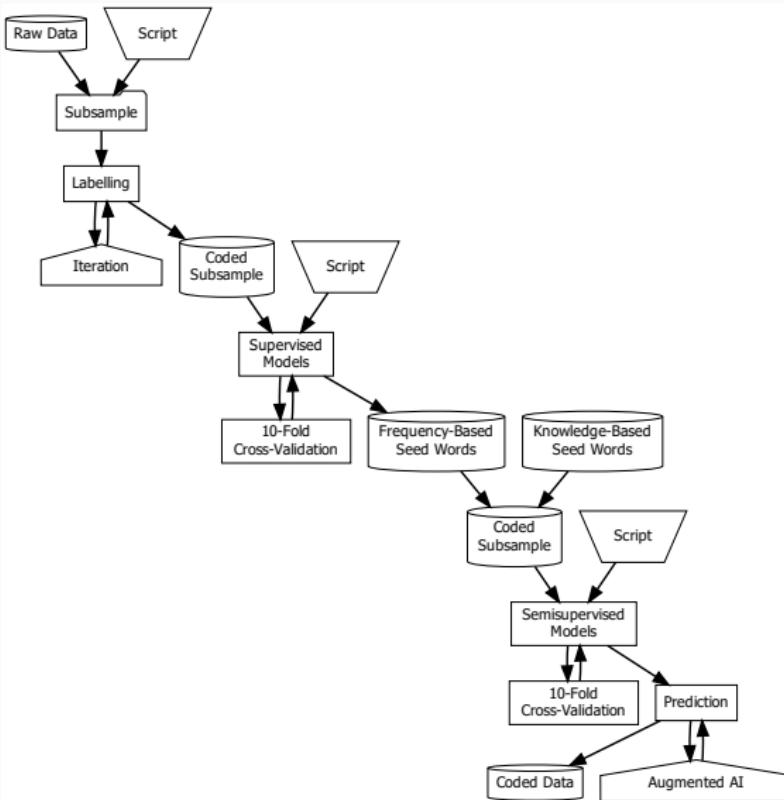
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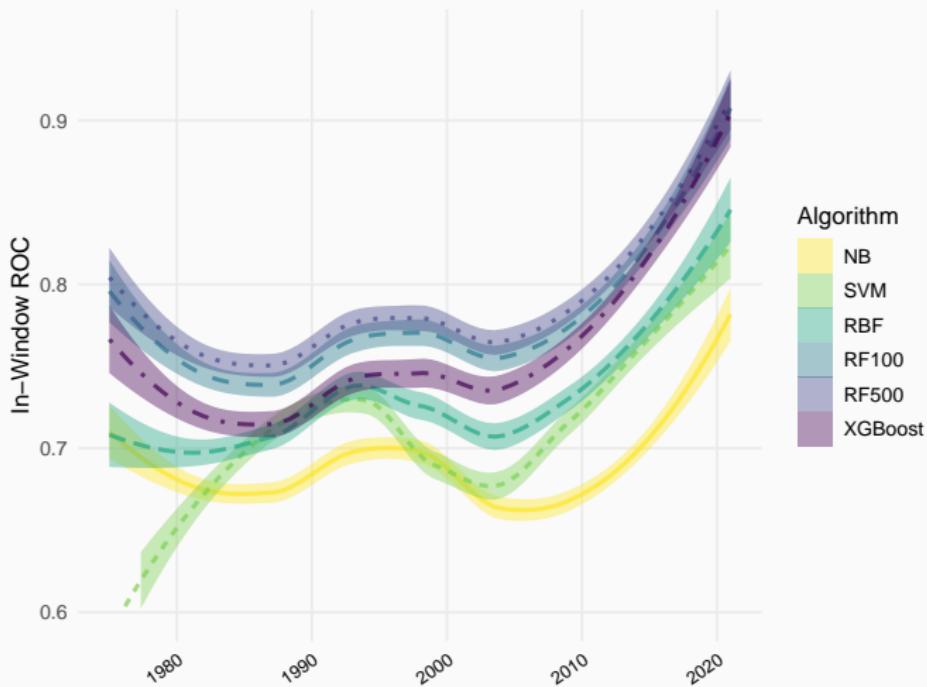
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Tab-Stop Lines — Column Layout — Segmented Blocks

Machine Learning Algorithms Training Pipeline

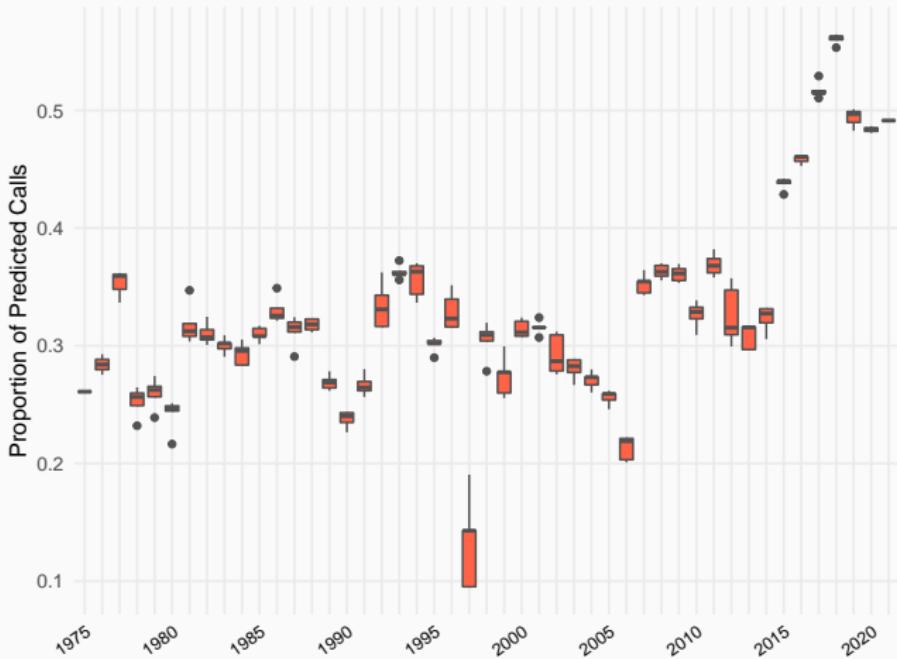


Performance of the Semisupervised Models (1975-2021)



Note: Indicators 10-fold cross-validated in a five-year rolling window.

Predicted Ministerial Resignation Calls (1975-2021)



Note: Predictions proportion over the mentions carried out with the ensemble semisupervised Random Forest (500 trees) in the five-year rolling window.

Preservation and Data Sharing

The data set will be deposited in the digital repository  **Oxford Research Archive for Data** (ORA-Data) in  CSV UTF-8 format with its codebook and standardised metadata. The data set will remain **under embargo** until October 2023 (to be confirmed).

It will then be available for reuse under an  **open-access licence** that allows sharing and adapting the material without additional restrictions as long as appropriate acknowledgement is given.

Further technical details on storage, formats and replicability are available in the Data Management Plan (DMP ID 85349).

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Thank you very much!

